

-25 -20 -15 -10 -5 0 1 5 10 15

Human GI QGGSVLFGLLLVLAVFCHSGHS LQCYNCNPNTADCKTAVN
 : : : : : : : : :
 Rabbit MTSRGVHLLRLFLFLAVFYSS - DSSLMCYHCLLPSPNCSTVTN

20 25 30 35 40 45 50 55 60
 Human CSSDFDACLI TKAGLQVYNKCWKFFEHCHCNFNDVTTRLRENELTYV
 : : : : : : : : :
 Rabbit CTPNHDACLTAVSGPRVYRQCWRVEDCNFFEFISNRLEENSLKYN

65 70 75 80 85 90 95 100
 Human CCKKDL CNFNEQLENGGTSLS EKTVLLVTPFLAAWSLHP
 : : : : : : : :
 Rabbit CCRKDL CNGPEDDG - - TALTGRTVLL VAPLLAAARNLCL

FIGURE 1A

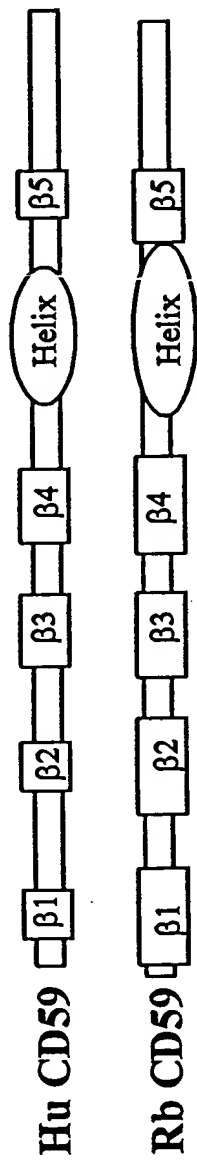


FIGURE 1B

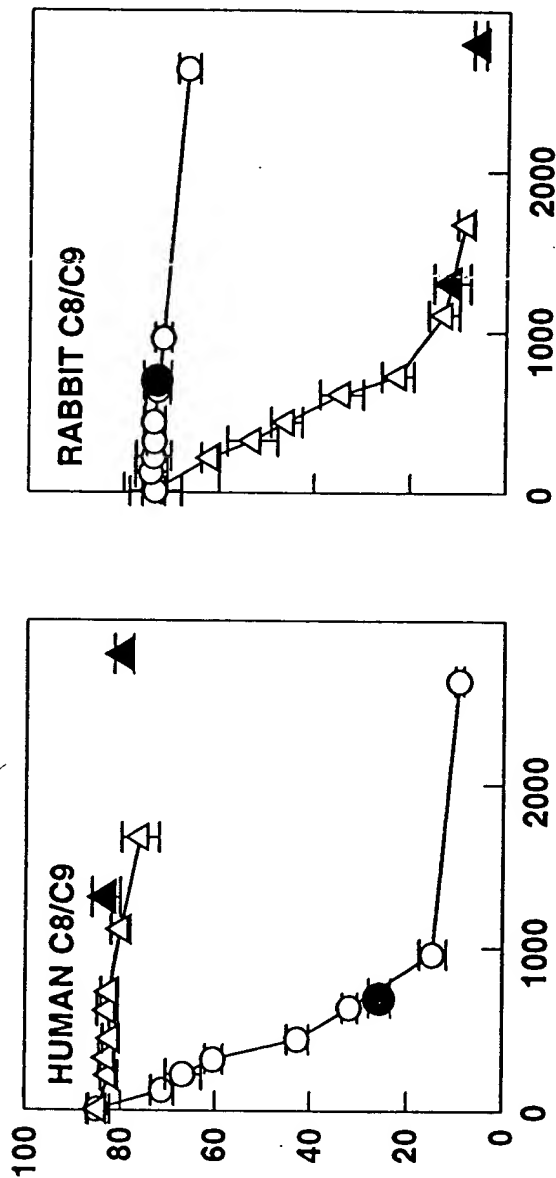
Figure 2A

Hu CD59
 Rb CD59

N Ch1

N Ch1R

BCECF Dye Release (%)

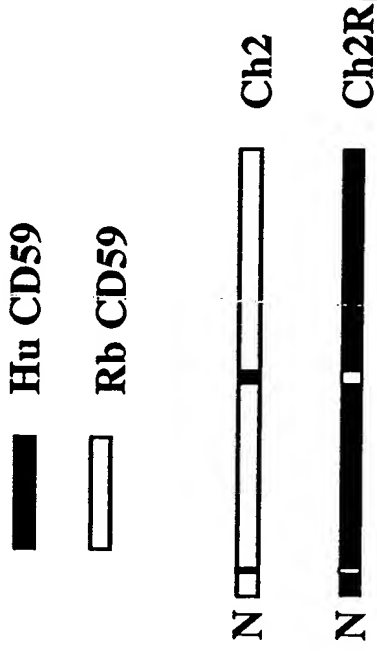


CD59 per Cell (arbitrary fluorescence units)

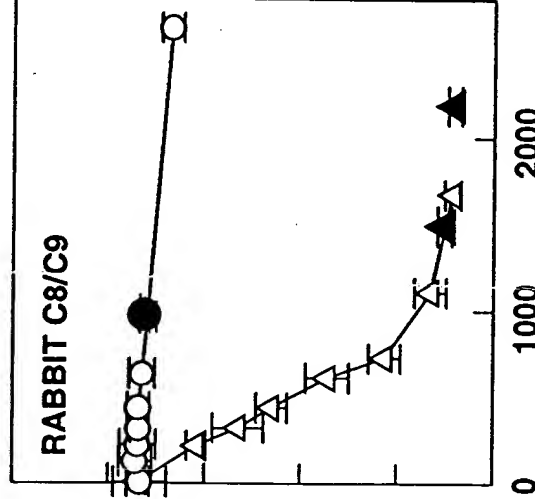
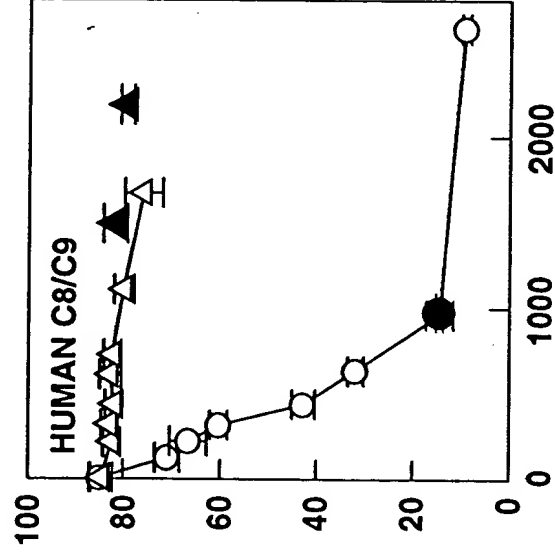
Figure 2B

Figure 2C

Figure 3 A



BCECF Dye Release (%)



CD59 per Cell (arbitrary fluorescence units)

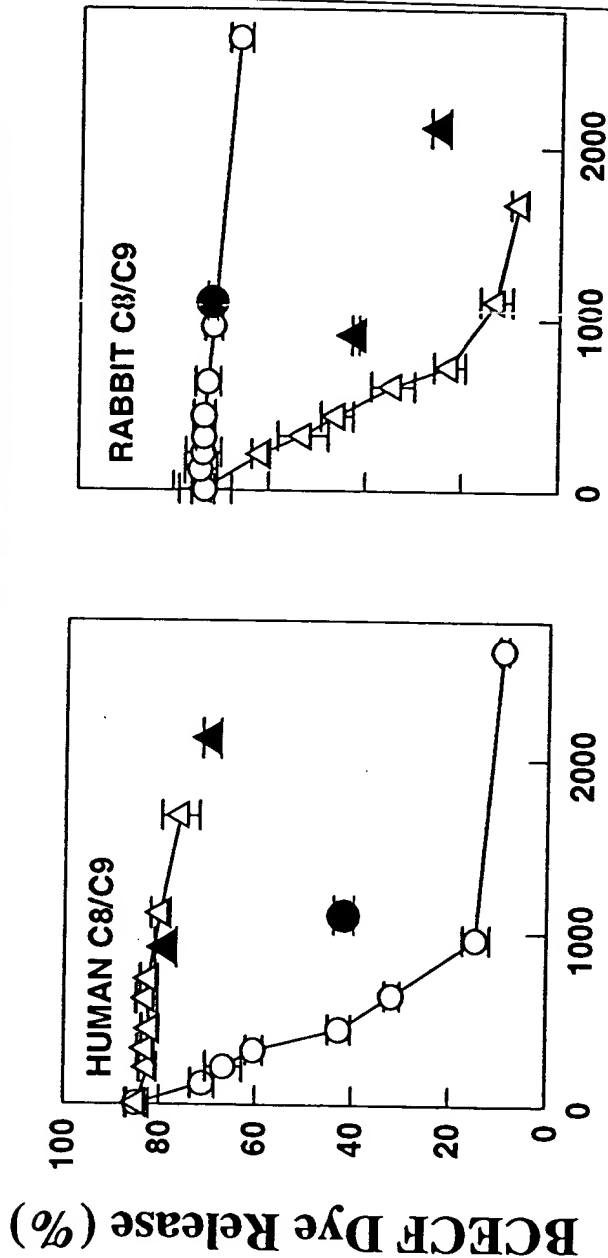
Figure 3B

Figure 3C

Figure 4A

■ Hu CD59
□ Rb CD59

N Ch3
N Ch3R



CD59 per Cell (arbitrary fluorescence units)

FIGURE 4B

FIGURE 4C

Figure 5A

■ Hu CD59
□ Rb CD59

N □ Ch4
N ■ Ch4R

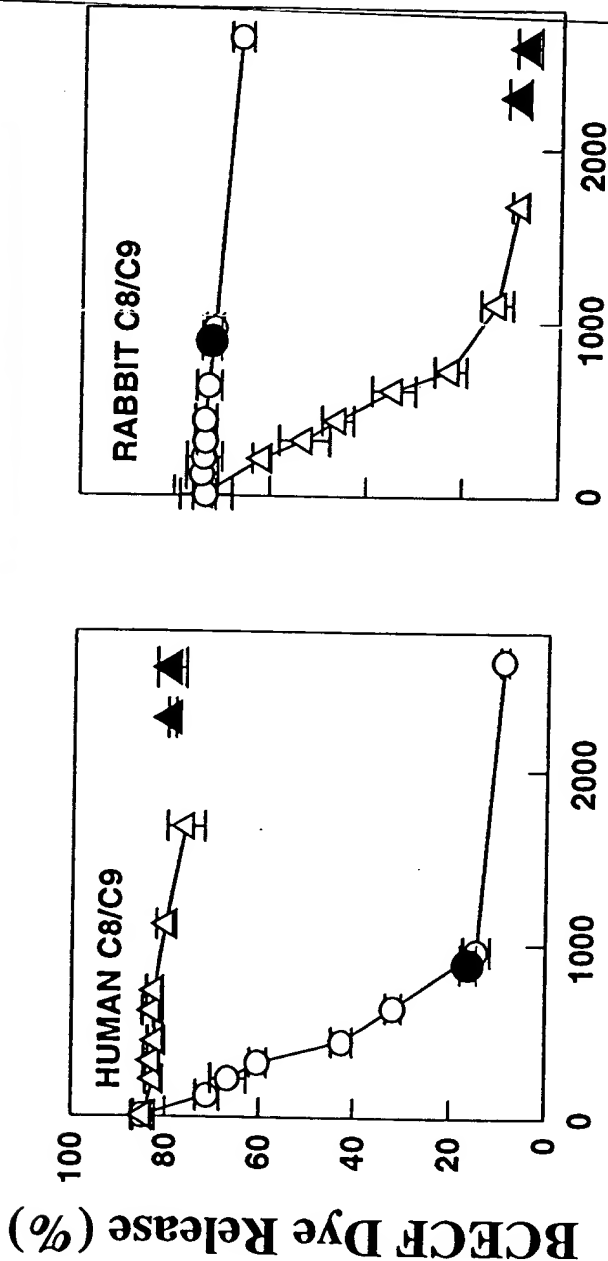
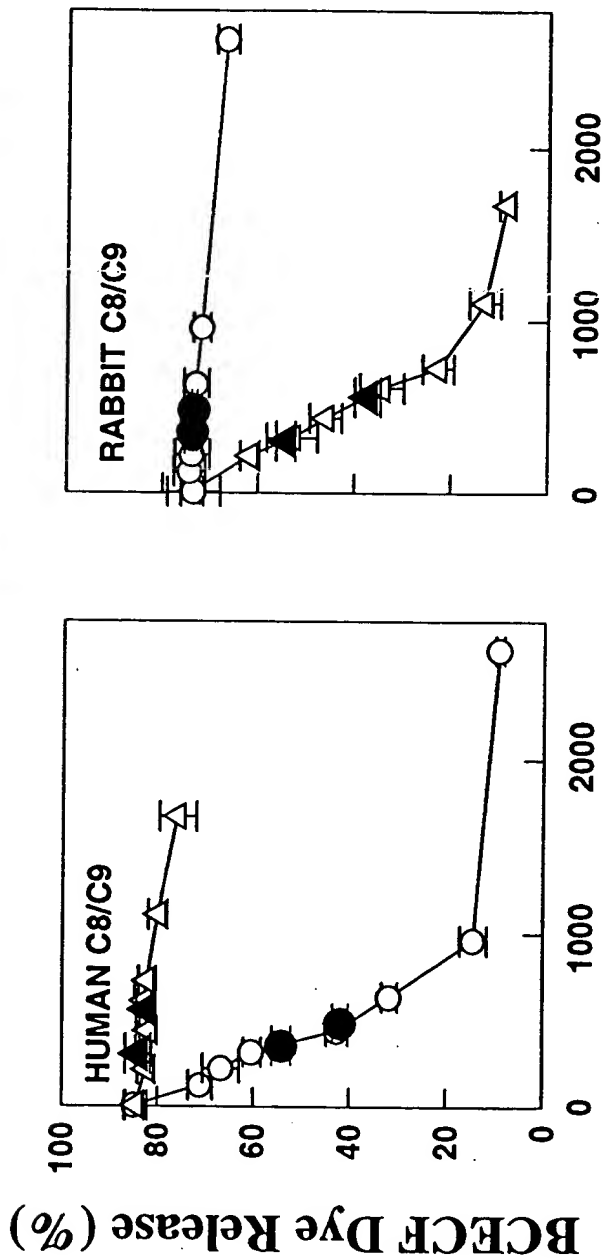
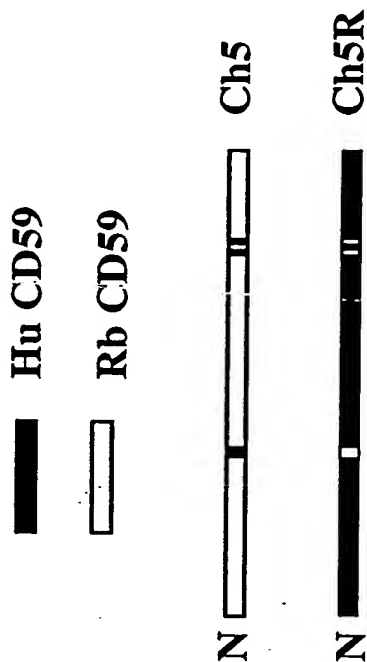


FIGURE 5B

CD59 per Cell (arbitrary fluorescence units)

FIGURE 5C

Figure 6A



CD59 per Cell (arbitrary fluorescence units)

Figure 6B

Figure 6C

Figure 7A

■ Hu CD59

□ Rb CD59

N  Ch6

N  Ch6R

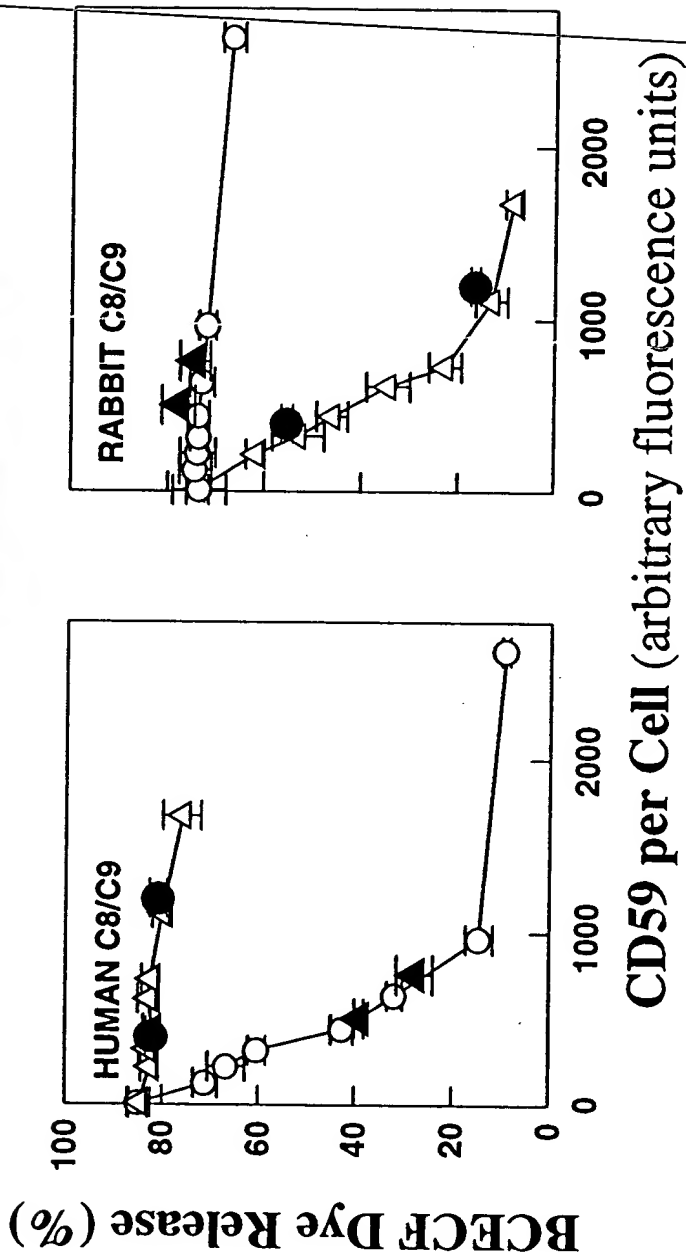


FIGURE 7B

FIGURE 7C

06039

	1	5	10	15	20	25	30	35									
Human	L Q	C Y N	C P N	P T	.	A D	C K T	A V N	C S	D	F D	A C L	I T K	A G	L Q	V Y N	K
Baboon	L Q	C Y N	C P N	P T	.	T N	C K T	A I N	C S	G	F D	T C L	I A R	A G	L Q	V Y N	Q
Afr grn mnky	L Q	C Y N	C P N	P T	.	T D	C K T	A I N	C S	G	F D	T C L	I A R	A G	L Q	V Y N	Q
Owl monkey	L Q	C Y S	C P Y	P T	.	T Q	C T M	T T N	C T S	N	L D	S C L	I A K	A G	S R	V Y Y	R
Marmoset	L Q	C Y S	C P Y	S T	.	A R	C T T	T T N	C T S	N	L D	S C L	I A K	A G	L R	V Y Y	R
HVS-15	L Q	C Y N	C S H	S T	.	N Q	C K T	S T S	C T S	N	L D	S C L	I A K	A G	S G	V Y N	
Pig	L Q	C Y N	C I N	P A	.	G S	C T X	X M H	C S	N	Q D	A C I	F V X	A V	P P	K T	
Sheep	L Q	C Y S	C I N	Q Y	.	D	C T S	V I H	C T X	N	Q D	A C L	Y				
Rabbit	S L M	C Y H	C L I	P S	.	P N	C S T	V T N	C T F	N	H D	A C L	T A V	S G	P R	V Y R	Q
Rat	L R	C Y N	C L D	P Y	.	S S	C K T	N S T	C S	N	L D	A C L	V A V	S G	K Q	V Y Q	Q
Mouse	L T	C Y H	C F Q	P Y	V	S S	C N M	N S T	C S	R	Q D	S C L	Y A V	A G	M Q	V Y Q	R

	40	45	50	55	60	65	70	71	75
Human	CWK	FEN	VTT	LRN	LTN	CKD	LCN	.	FNEQLEN
Baboon	CWK	FAN	IST	LKN	LQN	CKD	LCN	.	EQLEN
Afr grn minky	CWK	FAN	IST	LKN	LQN	CKD	LCN	.	EQLEN
Owl monkey	CWK	FED	VSN	LKN	LQN	CKD	LCN	.	FNEQLEN
Marmoset	CWK	FED	LSN	LKN	LQN	CKD	LCN	.	FNEALEN
HVS-15	CWK	FDD	ISN	LKN	LQN	CKD	LCN	.	FNGIGI
Rabbit	CWR	YED	ISN	LKN	LQN	CKD	LCN	.	VNKG
Rat	CWR	FSD	ISN	LKN	LQN	CKD	LCN	.	GPEDDG
Mouse	CWK	QSD	IMD	LEN	VQN	CKD	LCN	KSF	EDKPN

Figure 8

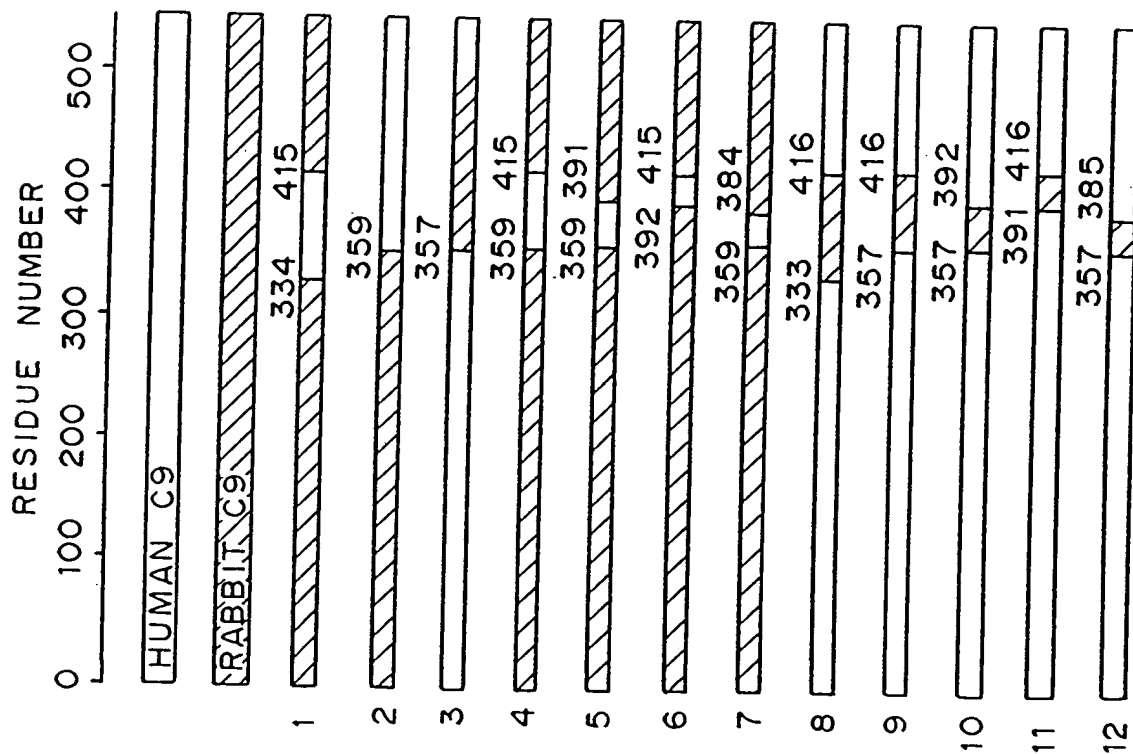


FIGURE 9A

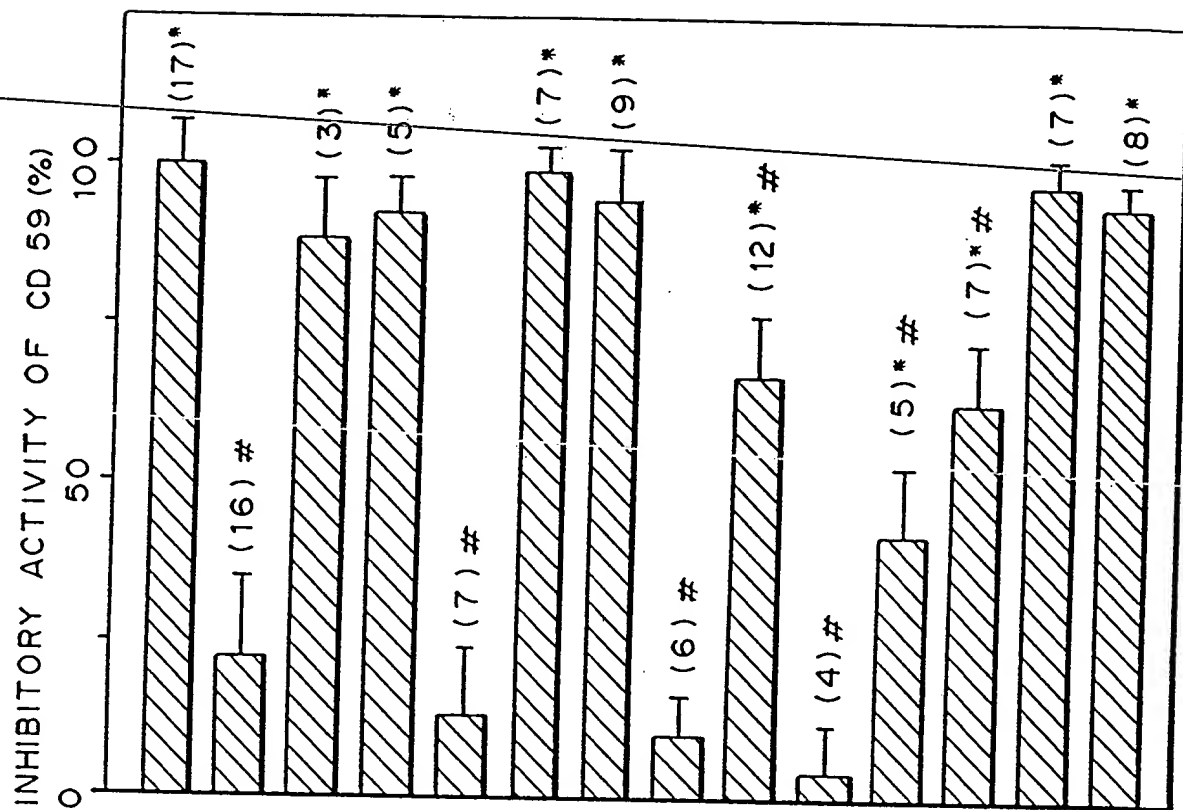
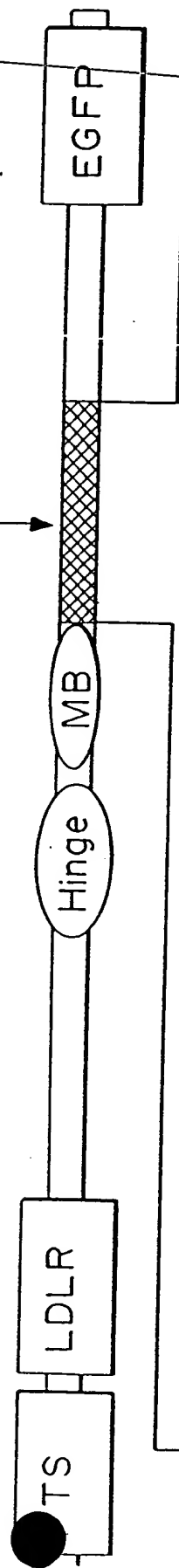


FIGURE 9B

C9

CD59 Binding Site



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HUMAN LYELIYVLDKASMKRKGVELKDIKRCGLGYHLDVSLAFSE---ISVGAEFNKDDCVKRGEGRAVNITSENLI DDVVSLIRGGTRKY

 415

RABBIT RYELIYVLDKASMKKEGIELNDIKKCLGFDLDLSLNIPGKSAGLSLTGQANKNNCLKSGHGNVNITRANLI DDVISLIRGGTQKF

 424

339

FIGURE 10

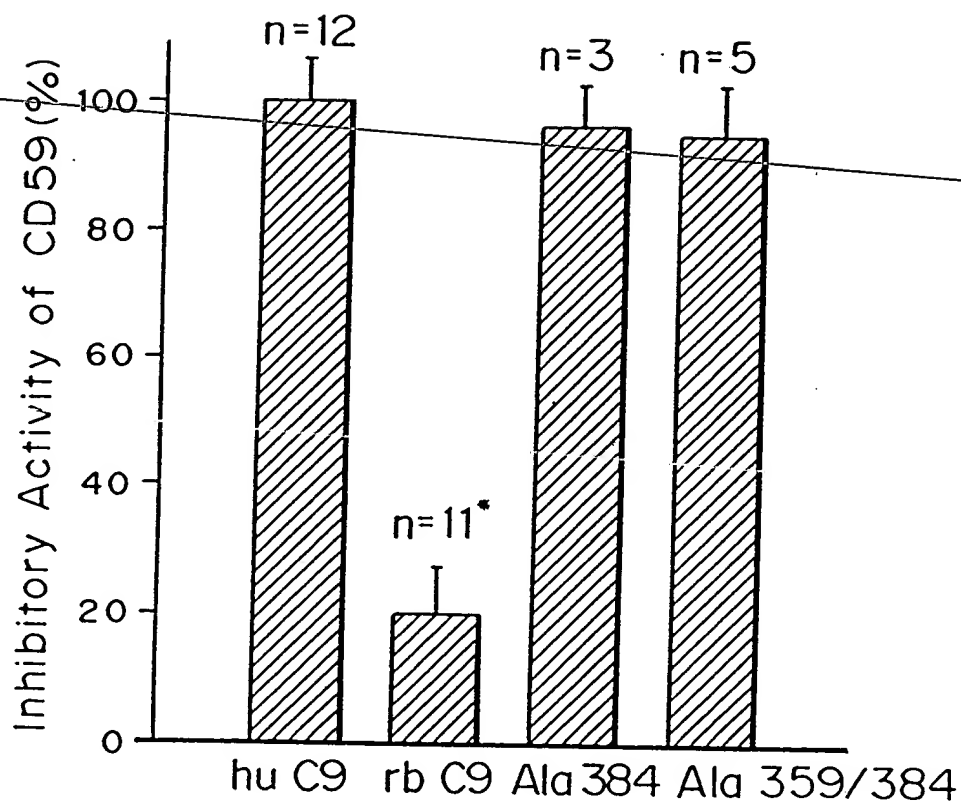


FIGURE 11

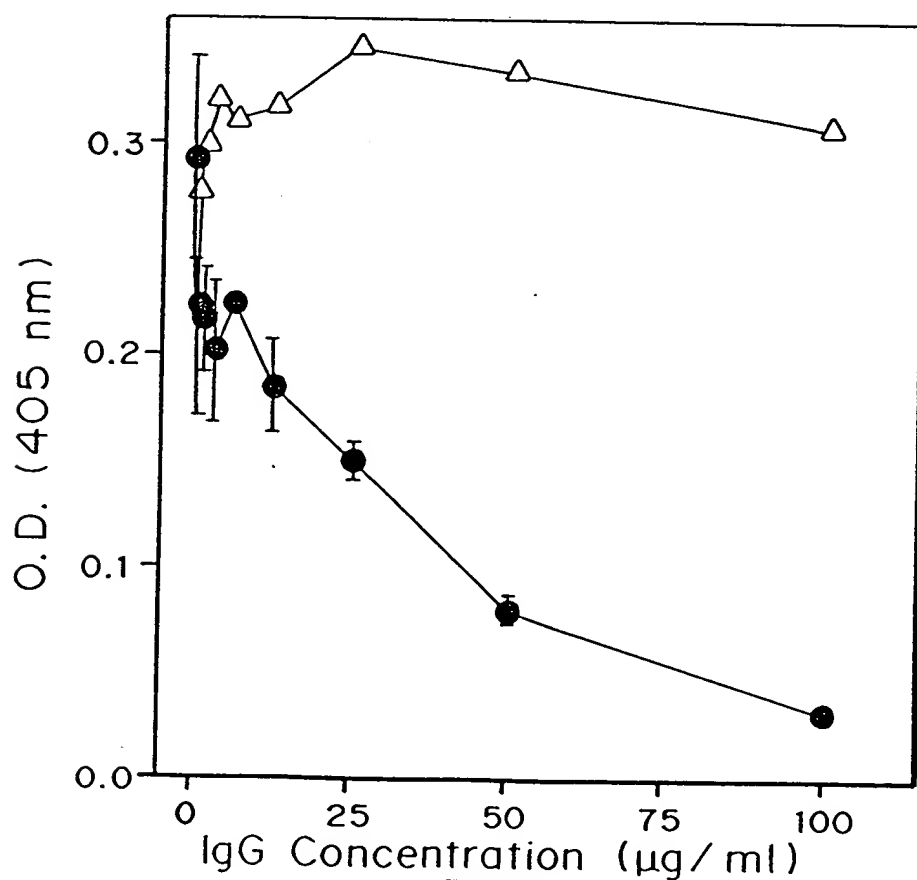


FIGURE 12

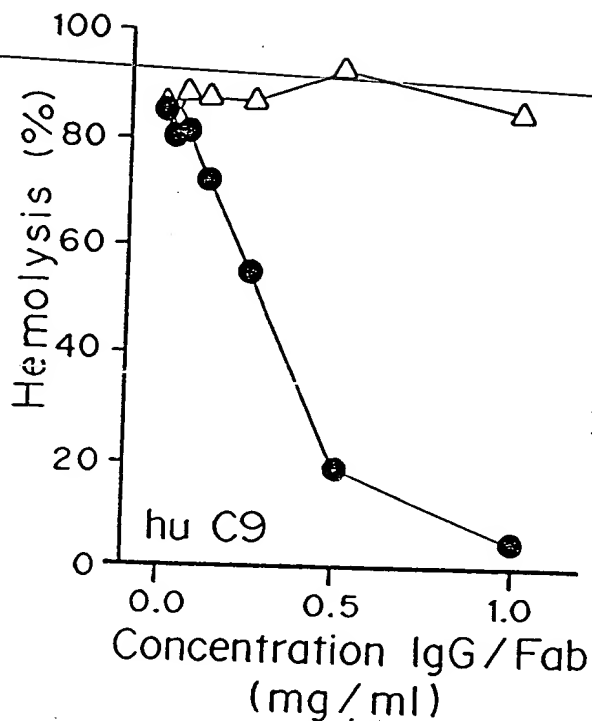


FIGURE 13 A

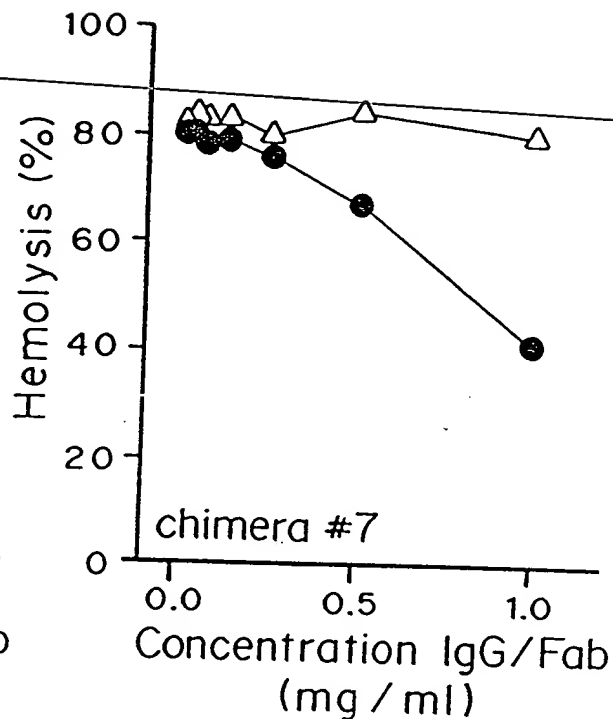


FIGURE 13 B

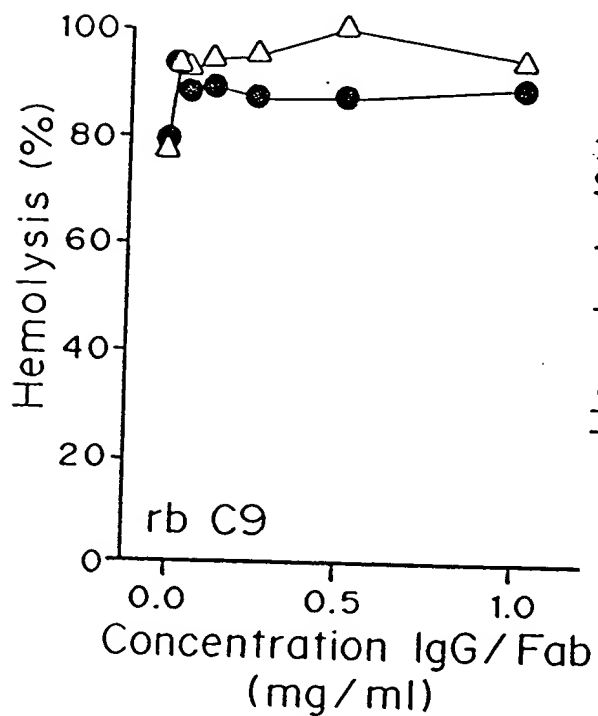


FIGURE 13 C

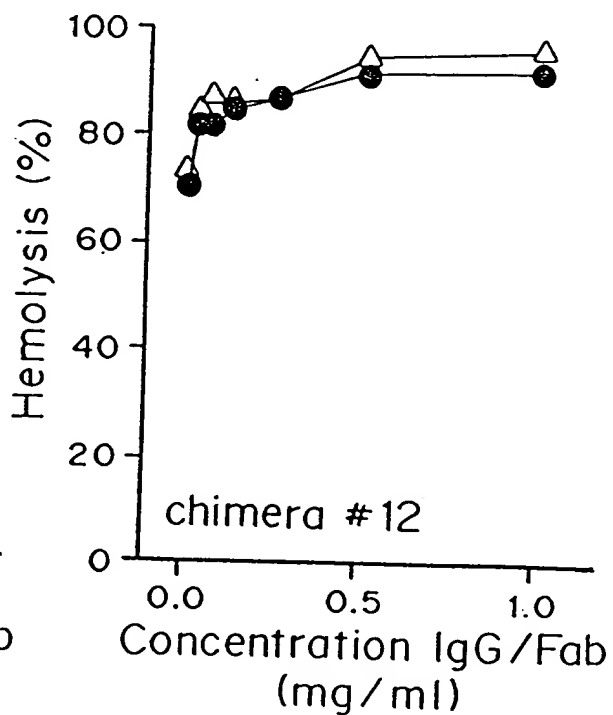


FIGURE 13 D